

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#18

Attorney Docket No.: HA-87 (HAL-ID 202)

Applicant: Carl SCARPA

Serial No.: 10/041,082

Filing Date: January 7, 2002

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SEP 1 7 2002

Technology Center 2600

Title: CHANNEL ESTIMATION AND COMPENSATION TECHNIQUES FOR USE IN

FREQUENCY DIVISION MULTIPLEXED SYSTEMS

Examiner: Not yet assigned

Group Art Unit: 2661

Assistant Commissioner for Patents Washington, D.C. 20231

S I R:

Information Disclosure Statement Transmittal

The applicant respectfully requests that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references is enclosed.

English language abstract is provided for Japanese patent number JP2001-136149.

The applicant preserves the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Since a first Office Action on the merits has not yet been received, the applicant assumes that this Information Disclosure Statement should be considered under 37 C.F.R. §§ 1.97(b)(3). Accordingly, it is believed that No fee is due. If, however, an Office Action on the merits has been mailed before the filing date of this Information Disclosure Statement, the Office is authorized to charge the 37 C.F.R. § 1.17(p) fee of \$180.00 to the deposit account of Straub & Pokotylo, deposit account number 50-1049.

Respectfully submitted,

Dated: September 11, 2002

Michael P: Straub, Attorney

Reg. No. 36,941 Customer No. 26479 (732) 335-1222

STRAUB & POKOTYLO 1 Bethany Road Suite 83, Bldg. 6 Hazlet, New Jersey 07730

CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)

I hereby certify that this correspondence is being deposited on **September 11**, **2002** with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Michael P. Straub

Rea. No

U.S. Department of Commerce Patent and Trademark Office Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number: Filing Date:

10/041,082

First Named Inventor: Carl SCARPA

January 7, 2002

Group Art Unit:

2661

Examiner Name: Not yet assigned

Sheet of 2 Attorney Docket No.:

(DMSL)HA-87 (HAL-ID 202)



			U.S. PAT	TENT DOCUMENTS	
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where relevant Passages or Figures appear
	AM	6,317,470	November 13, 2001	Kroeger et al.	
	AN	6,198,782	March 6, 2001	DeCourville et al.	
	AO	6,181,714	January 30, 2001	Isaksson et al.	
	AP	6,134,286	October 17, 2000	Chennakeshu et al.	
	AQ	6,035,003	March 7, 2000	Park et al.	-11/CD
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	AY	2002/0034213	March 21, 2002	Wang et al.	
	AZ	2002/0001352	January 3, 2002	Stirling-Gallacher et al.	
					

Examiner Initials*	Cite No.1	Foreign Patent Document Office ³ Number ⁴	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т6
	BA	WO 02/23781 A1	March 21, 2002	Industrial Research Limited		
	BB	EP 1 178 642 A2	February 6, 2002	Thomson Licensing S.A.		
	BC	EP 1 178 640 A1	February 6, 2002	Sony International (Europe) GmbH		
	BD	EP 1 178 630 A1	February 6, 2002	Lucent Technologies Inc.		
	BE	JP 2001-136149	May 18, 2001	Nippon Telegr & Teleph Corp.		X**
	BF	JP 10303852A	November 13, 1998	Nippon Hoso Kyokai		
						1

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{**} English language abstract provided.

¹ Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

(modified PTO-/SB/08A)

Sheet

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of

2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

2

Complete if Known

Application Number:

10/041,082

January 7, 2002 First Named Inventor: Carl Scarpa

Group Art Unit:

Attorney Docket No.:

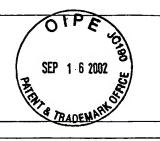
2661

Not yet assigned

Examiner Name:

Filing Date:

(DMSL)HA-87 (HAL-ID 202)



		OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS
Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal,
nitials*	No.1	serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source
	BG	H. Ochiai, "Performance Analysis of Deliberately Clipped OFDM Signals", IEEE
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	BH	C. W. Wong, C. L. Law, Y. L. Guan, "Channel Estimator for OFDM Systems with 7 2nd
		2-Dimensional Filtering in the Transform Domain", Nanyang Technological University,
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	BI	J. K. Moon and S. I. Choi, "Performance of Channel Estimation Methods for OFDM
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	BJ	T. Onizawa, M. Mizoguchi, T. Sakata and M. Morikura, "A Simple Adaptive Channel
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	BK	Y. Zhao and A. Huang, "A Novel Channel Estimation Method for OFDM Mobile
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	BL	G. Cariolara and F. C. Vagliani, "An OFDM Scheme with a Half Complexity", IEEE
		Journal of Selected Areas in Communications, Vol. 13, No. 9, December 1995, pages
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	BM	P. H. Moose, "A Technique for Orthogonal Frequency Division Multiplexing Frequency
		Offset Correction", IEEE Transactions of Communications, Vol. 42, No. 10, October
		1994, pages 2908-2914.
	BN	J. Heiskala and J. Terry, Ph. D., "OFDM Wireless LANs: A Theoretical and Practical
		Guide", Sams Publishing, (2002), pages 1-315.

Examiner	Date	
Signature	 Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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